

Storm Data and Unusual Weather Phenomena - February 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TEXAS, North				
(TX-Z095) LAMAR, (TX-Z106) DELTA, (TX-Z107) HOPKINS, (TX-Z122) VAN ZANDT, (TX-Z123) RAINS, (TX-Z135) HENDERSON, (TX-Z141) COMANCHE, (TX-Z143) HAMILTON, (TX-Z147) FREESTONE, (TX-Z148) ANDERSON, (TX-Z160) FALLS, (TX-Z162) LEON, (TX-Z174) MILAM, (TX-Z175) ROBERTSON				
	02/01/11 00:00 CST		0	Drought
	02/28/11 23:59 CST		0.11M	
Drought conditions improved during the early part of February due to precipitation from three winter storms, but then conditions deteriorated near the end of the month from lack of significant rainfall. During the latter half of the month, severe to extreme drought conditions began expanding. Drought conditions were the worse over the eastern and southeastern counties of north Texas during the month. Extreme drought (D3) as defined by the US Drought Monitor persisted across the southeast for much of the month. Twenty-five counties had Burn Bans during the month.				
(TX-Z091) MONTAGUE, (TX-Z100) YOUNG, (TX-Z101) JACK, (TX-Z102) WISE, (TX-Z115) STEPHENS, (TX-Z129) EASTLAND				
	02/01/11 00:00 CST		0.95M	Heavy Snow
	02/01/11 09:00 CST		0	
(TX-Z092) COOKE, (TX-Z093) GRAYSON, (TX-Z094) FANNIN, (TX-Z095) LAMAR, (TX-Z103) DENTON, (TX-Z104) COLLIN, (TX-Z105) HUNT, (TX-Z106) DELTA, (TX-Z107) HOPKINS, (TX-Z118) TARRANT, (TX-Z119) DALLAS, (TX-Z120) ROCKWALL, (TX-Z130) ERATH, (TX-Z131) HOOD, (TX-Z132) SOMERVELL, (TX-Z133) JOHNSON, (TX-Z134) ELLIS, (TX-Z141) COMANCHE, (TX-Z143) HAMILTON, (TX-Z145) HILL				
	02/01/11 00:00 CST		3.13M	Ice Storm
	02/01/11 10:00 CST		0	
(TX-Z116) PALO PINTO, (TX-Z117) PARKER				
	02/01/11 00:00 CST		0.25M	Winter Storm
	02/01/11 06:30 CST		0	
(TX-Z130) ERATH				
	02/01/11 00:00 CST	1	0	Cold/Wind Chill
	02/04/11 13:00 CST		0	
Direct Fatalities: MOU				
(TX-Z158) BELL, (TX-Z174) MILAM				
	02/01/11 02:00 CST		19K	Strong Wind (MAX 48 kt)
	02/01/11 12:00 CST		0	
The first week of February 2011 was plagued with two winter weather events and persistent cold temperatures. The first winter storm began late on January 31st and ended during the morning hours of February 1st. A strong cold front blew through the region ushering in very cold air ahead of an approaching upper level system. Before the snow began, periods of rain, freezing rain, and sleet provided a sheet of ice underneath the snow. At times, thundersleet was observed. The highest snowfall totals fell across the northwestern counties of the CWA where 5-8" of snow was reported. Elsewhere, up to 3/4" of ice and 2" of sleet were reported in some counties. The combination of winter precipitation types resulted in hazardous conditions across much of the region. To make things worse, the cold air stayed in place for the next 3-4 days and another winter storm affected the region a few days later on the 3rd-4th. Schools and businesses were shut down for days and rolling blackouts were needed on the 2nd to account for the extreme demand on the state's electricity grids. The winter storm also affected airports across north Texas, and the economic toll from the winter storms and cold air was large due to the fact that this was the week leading up to Superbowl 45 in Arlington. In Erath County, one man died from exposure to the cold temperatures on the 1st.				
(TX-Z094) FANNIN, (TX-Z095) LAMAR, (TX-Z104) COLLIN, (TX-Z105) HUNT, (TX-Z106) DELTA, (TX-Z107) HOPKINS, (TX-Z118) TARRANT, (TX-Z119) DALLAS, (TX-Z120) ROCKWALL, (TX-Z121) KAUFMAN, (TX-Z122) VAN ZANDT, (TX-Z123) RAINS, (TX-Z134) ELLIS, (TX-Z135) HENDERSON, (TX-Z146) NAVARRO				
	02/03/11 21:30 CST		0.32M	Heavy Snow
	02/04/11 12:00 CST		0	
(TX-Z103) DENTON, (TX-Z148) ANDERSON, (TX-Z161) LIMESTONE				

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	02/03/11 21:40 CST		86K	Winter Weather
	02/04/11 11:15 CST		0	

The second winter storm of the week brought heavy snow to most of the eastern and northeastern counties of north Texas. However, much of the area received at least some snow. The heaviest snowfall totals were measured in the far northeastern counties where 6-9" of snow was reported. North Texas was still crippled from the prolonged cold spell that had arrived earlier in the week, and therefore the impacts from this snow event were minimal.

(TX-Z142) MILLS

02/20/11 00:00 CST	0	Drought
02/28/11 23:59 CST	1.50K	

Drought conditions improved during the early part of February due to precipitation from three winter storms, but then conditions deteriorated near the end of the month from lack of significant rainfall. During the latter half of the month, severe to extreme drought conditions began expanding. In Mills County, severe drought (D2) conditions as defined by the US Drought Monitor were observed during the latter half of the month.

(TX-Z101) JACK

02/22/11 12:00 CST	0	Wildfire
02/24/11 07:00 CST	15K	

A grass fire in Jack County consumed approximately 1,000 acres.

HILL COUNTY --- 4.4 NE HURON [32.09, -97.29]

02/24/11 10:10 CST	0	Hail (0.88 in)
02/24/11 10:10 CST	0	Source: Broadcast Media

Nickel size hail was reported near Grub Hill.

A line of thunderstorms developed ahead of a dryline and cold front. Most of the storms occurred along and east of Interstate 35 and south of Interstate 30. One report of nickel size hail was received in Hill County.

(TX-Z129) EASTLAND, (TX-Z141) COMANCHE

02/24/11 14:00 CST	0	Wildfire
02/26/11 21:00 CST	7K	

A wildfire in eastern Comanche County burned 700 acres, and one north of Cisco in Eastland County burned 500 acres.

(TX-Z129) EASTLAND

02/27/11 15:40 CST		0.35M	Wildfire
02/28/11 23:59 CST	1	7K	

A wildfire south of Cisco, in Eastland County, burned 700 acres. The Southern Area Coordination Center reported four structures had been lost in the fire, but a local newspaper reported one home had burned to the ground. One firefighter was hospitalized for smoke inhalation.

GRAYSON COUNTY --- 1.7 W SADLER [33.68, -96.88]

02/27/11 22:02 CST	0	Hail (1.00 in)
02/27/11 22:02 CST	0	Source: Law Enforcement

Quarter size hail was reported in the Whitesboro/Sadler area.

MCLENNAN COUNTY --- 2.0 ESE MCGREGOR [31.41, -97.39]

02/27/11 23:44 CST	0	Hail (0.88 in)
02/27/11 23:44 CST	0	Source: Trained Spotter

Penny to nickel size hail was reported on Hwy 317, approximately 1.8 miles southeast of Hwy 84, near the town of McGregor.

ELLIS COUNTY --- FERRIS [32.53, -96.67]

02/27/11 23:45 CST	0	Hail (1.00 in)
02/27/11 23:45 CST	0	Source: COOP Observer

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Some quarter size hail stones were measured by the COOP Observer in Ferris.				
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MCLENNAN COUNTY --- MCGREGOR [31.43, -97.42]				
	02/27/11 23:45 CST		0	Hail (0.75 in)
	02/27/11 23:45 CST		0	Source: Emergency Manager

Dime size hail was reported in McGregor.

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GRAYSON COUNTY --- 0.7 WSW AMBROSE [33.68, -96.39]				
	02/28/11 00:05 CST		0	Heavy Rain
	02/28/11 00:05 CST		0	Source: Newspaper

Slick roadways are believed to be the cause of a fatal accident on FM 1753. A man riding a motorcycle lost control on the wet road and slid off the road. He died while en route to the hospital.

A strong upper level disturbance combined with an advancing dryline/front to produce a line of storms across north Texas during the evening hours. Only a few reports of hail up to quarter size were reported with these storms. Wet roads resulted in a fatal, one vehicle accident in Grayson County.